

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS: DiMaio et al.

DOCKET: D 6384

SERIAL NO.: (Not Yet Assigned)

FILED: Concurrently

DATED: August 11, 2000

FOR: PROCESS FOR PRODUCING LIQUID POLYALPHOLEFIN
POLYMER, METALLOCENE CATALYST THEREFOR, THE
RESULTING POLYMER AND LUBRICANT CONTAINING SAME

Assistant Commissioner for Patents
Washington, D.C. 20231

US PRO
09/637791
08/11/00

INFORMATION DISCLOSURE STATEMENT

Sir:

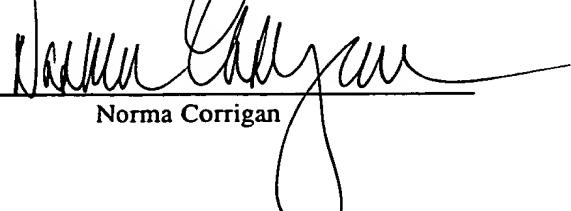
Pursuant to Applicants duty of disclosure, the information listed in the attached Form PTO-1449 is brought to the attention of the Examiner. Copies of the listed items are enclosed.

The citation of the listed items is not a representation that they constitute a complete or exhaustive listing of the relevant art or that the references are prior art. The items listed are submitted in good faith, but are not intended to substitute for the Examiner's

CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, postpaid in an envelope, addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231 on August 11, 2000.

Dated: August 11, 2000


Norma Corrigan

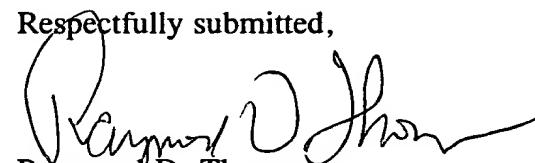
search. It is hoped, however, that in addition to apprising the Examiner of these particular items, they will assist in identifying fields of search and in making as full and complete a search as possible. The filing of this information disclosure statement is not an admission that the information cited herein is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b).

This information disclosure statement is being filed concurrently with this application.

Please charge any deficiency as well as any other fee(s) which may become due under 37 C.F.R. § 1.16 and/or 1.17 at any time during the pendency of this application, or credit any overpayment of such fee(s) to Deposit Account 21-0525. Also, in the event any extensions of time for responding are required for the pending application(s), please treat this paper as a petition to extend the time as required and charge Deposit Account No. 21-0525 therefor. **TWO (2) COPIES OF THIS SHEET ARE ENCLOSED.**

Early and favorable consideration of the case is respectfully requested.

Respectfully submitted,



Raymond D. Thompson
Reg. No. 30,695
Attorney for Applicants

Crompton Corporation
199 Benson Road
Middlebury, CT 06749
(203) 573-4385

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT
(Use several sheets if necessary)

ATTY. DOCKET NO.

D-6384

08/11/00

Sheet 1 of 1

09/637791

SERIAL NO.

Not Yet Assigned

APPLICANT

DiMaio et al.

FILING DATE

Concurrently Herewith

GROUP

Not Yet Assigned

U.S. PATENT DOCUMENT

EXAMINER INITIALS	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	4 7 5 2 5 9 7	06/21/88	Turner			
	4 8 7 1 7 0 5	10/03/89	Hoel			
	4 8 9 2 8 5 1	01/09/90	Ewen et al.			
	4 9 3 1 4 1 7	06/05/90	Miya et al.			
	4 9 3 1 5 1 7	06/05/90	Fujita			
	4 9 3 3 4 0 3	06/12/90	Kaminsky et al.			
	5 0 0 1 2 0 5	03/19/91	Hoel			
	5 0 1 7 7 1 4	05/21/91	Welborn, Jr.			
	5 0 2 6 7 9 8	06/25/91	Canich			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	0 3 4 7 1 2 9	12/20/89	EPO				
	0 3 9 9 3 4 7	05/16/90	EPO (English abstract included)				
	0 5 7 5 8 7 5	12/29/93	EPO				
	0 5 9 3 0 8 3	04/20/94	EPO				
	0 6 1 2 7 6 9	08/31/94	EPO				
	0 6 3 2 0 6 6	01/04/95	EPO				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Alt et al., C_1 -Bridged fluorenylidene cyclopentadienylidene complexes of the type $(C_{13}H_8-CR^1R^2-C_9H_3R)ZrCl_2$, (R^1 , R^2 = alkyl, phenyl, alkenyl; R = H, alkyl, alkenyl, substituted silyl) as catalyst precursors for the polymerization of ethylene and propylene, Journal of Organometallic Chemistry, Vol.568 (1998) pp. 87-112.

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

08/11/00

SERIAL NO.

D-6384

Not Yet Assigned

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

APPLICANT

(Use several sheets if necessary)

DiMaio et al.

FILING DATE

GROUP

Concurrently Herewith

Not Yet Assigned

U.S. PATENT DOCUMENT

EXAMINER INITIALS	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5 0 3 4 5 4 9	07/23/91	Piotrowski et al.			
	5 0 3 6 0 3 4	07/30/91	Ewen			
	5 0 5 5 4 3 8	10/08/91	Canich			
	5 0 6 4 8 0 2	11/12/91	Stevens et al.			
	5 0 8 6 1 3 4	02/04/92	Antberg et al.			
	5 0 8 7 6 7 7	02/11/92	Brekner et al.			
	5 1 2 6 3 0 1	06/30/92	Tsutsui et al.			
	5 1 2 6 3 0 3	06/30/92	Resconi et al.			
	5 1 3 2 2 6 2	07/21/92	Rieger et al.			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
						YES
	0 6 4 3 0 7 9	03/15/95	EPO			
	0 6 5 3 4 4 5	05/17/95	EPO			
WO	9 2/ 0 5 2 0 8	04/02/92	PCT			
WO	9 3/ 2 4 5 3 9	12/09/93	PCT			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

08/11/00

SERIAL NO.

D-6384

Not Yet Assigned

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(Use several sheets if necessary)

APPLICANT

DiMaio et al.

FILING DATE

Concurrently Herewith

GROUP

Not Yet Assigned

U.S. PATENT DOCUMENT

EXAMINER INITIALS	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5 1 3 2 3 8 0	07/21/92	Stevens et al.			
	5 1 3 2 3 8 1	07/21/92	Winter et al.			
	5 1 4 5 8 1 9	09/08/92	Winter et al.			
	5 1 5 3 1 5 7	10/06/92	Hlatky et al.			
	5 1 5 5 0 8 0	10/13/92	Elder et al.			
	5 2 2 5 5 0 1	07/06/93	Fujita et al.			
	5 2 2 7 4 4 0	07/13/93	Canich et al.			
	5 2 2 7 4 7 8	07/13/93	Koch			
	5 2 2 9 4 7 8	07/20/93	Floyd et al.			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

08/11/00

SERIAL NO.

D-6384

Not Yet Assigned

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

APPLICANT

(Use several sheets if necessary)

DiMaio et al.

FILING DATE

Concurrently Herewith

GROUP

Not Yet Assigned

U.S. PATENT DOCUMENT

EXAMINER INITIALS	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5 2 4 1 0 2 5	08/31/93	Hlatky et al.			
	5 2 4 3 0 0 2	09/07/93	Razavi			
	5 2 6 4 6 4 2	11/23/93	Wu			
	5 2 7 8 1 1 9	01/11/94	Turner et al.			
	5 2 7 8 2 6 5	01/11/94	Razavi			
	5 2 8 1 6 7 9	01/25/94	Jejelowo et al.			
	5 2 9 6 4 3 4	03/22/94	Karl et al.			
	5 3 0 4 6 1 4	04/19/94	Winter et al.			
	5 3 0 8 8 1 7	05/03/94	Reddy et al.			
	5 3 2 4 8 0 0	06/28/94	Welborn, Jr. et al.			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

08/11/00

SERIAL NO.

D-6384

Not Yet Assigned

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

APPLICANT

(Use several sheets if necessary)

DiMaio et al.

FILING DATE

GROUP

Concurrently Herewith

Not Yet Assigned

U.S. PATENT DOCUMENT

EXAMINER INITIALS	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5 3 2 8 9 6 9	07/12/94	Winter et al.			
	5 3 2 9 0 3 1	07/12/94	Miyake et al.			
	5 3 3 0 9 4 8	07/19/94	Marks et al.			
	5 3 3 1 0 5 7	07/19/94	Brekner et al.			
	5 3 4 9 0 3 2	09/20/94	Miyake et al.			
	5 3 6 9 1 9 6	11/29/94	Matsumoto et al.			
	5 3 7 2 9 8 0	12/13/94	Davis			
	5 3 7 4 7 5 3	12/20/94	Yamada et al.			
	5 3 8 4 2 9 9	01/24/95	Turner et al.			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
				YES	NO	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE
INFORMATION DISCLOSURE
STATEMENT BY APPLICANT
(Use several sheets if necessary)

ATTY. DOCKET NO.

7/11/00
D-6384

SERIAL NO.

Not Yet Assigned

APPLICANT

DiMaio et al.

FILING DATE

Concurrently Herewith

GROUP

Not Yet Assigned

U.S. PATENT DOCUMENT

EXAMINER INITIALS	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5 3 8 5 8 7 7	01/31/95	Fujita et al.			
	5 3 9 1 6 2 9	02/21/95	Turner et al.			
	5 3 9 1 7 8 9	02/21/95	Rohrmann			
	5 3 9 9 6 3 6	03/21/95	Alt et al.			
	5 4 0 1 8 1 7	03/28/95	Palackal et al.			
	5 4 0 6 0 1 3	04/11/95	Patsidis et al.			
	5 4 1 6 1 7 7	05/16/95	Siedle et al.			
	5 4 1 6 1 7 8	05/16/95	Winter et al.			
	5 4 1 6 2 2 8	05/16/95	Ewen et al.			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

08/11/00

SERIAL NO.

D-6384

Not Yet Assigned

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(Use several sheets if necessary)

APPLICANT

DiMaio et al.

FILING DATE

Concurrently Herewith

GROUP

Not Yet Assigned

U.S. PATENT DOCUMENT

EXAMINER INITIALS	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5 4 2 7 9 9 1	06/27/95	Turner			
	5 4 3 4 1 1 5	07/18/95	Yamada et al.			
	5 4 3 6 3 0 5	07/25/95	Alt et al.			
	5 4 3 9 9 9 4	08/08/95	Inoue et al.			
	5 4 4 1 9 2 0	08/15/95	Welborn, Jr.			
	5 4 4 2 0 2 0	08/15/95	Davis			
	5 4 4 9 6 5 1	09/12/95	Reddy et al.			
	5 4 5 3 4 1 0	09/26/95	Kolthammer et al.			
	5 4 5 5 3 6 5	10/03/95	Winter et al.			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

/11/00

SERIAL NO.

Not Yet Assigned

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(Use several sheets if necessary)

APPLICANT

DiMaio et al.

FILING DATE

Concurrently Herewith

GROUP

Not Yet Assigned

U.S. PATENT DOCUMENT

EXAMINER INITIALS	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5 4 5 5 3 6 6	10/03/95	Rohrmann et al.			
	5 4 5 9 1 1 7	10/17/95	Ewen			
	5 4 6 6 6 4 9	11/14/95	Jejelowo			
	5 4 7 0 8 1 1	11/28/95	Jejelowo et al.			
	5 4 9 1 2 0 5	02/13/96	Langhauser et al.			
	5 4 9 1 2 0 7	02/13/96	Hoel			
	5 5 1 9 1 0 0	05/21/96	Ewen et al.			
	5 5 6 1 0 9 2	10/01/96	Ewen et al.			
	5 6 1 4 4 5 7	03/25/97	Ewen et al.			
	5 6 7 5 0 4 9	10/07/97	Vermeiren et al.			
	5 8 0 7 9 4 9	09/15/98	Rossi et al.			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.